1.0 Equipment installation

Normally your Naim equipment will have been installed by the dealer who sold it to you even if you live outside their immediate vicinity. Your dealer is responsible for making sure that the system sounds exactly as it should and information given here is not intended to reduce this responsibility in any way.

1.1 cables and connections

Please do not modify the standard interconnect cables supplied with your Naim equipment. This is important for safety as well as performance. One end of each cable is marked with a band to establish its correct orientation. The band always marks the end that connects to the signal source.

Loudspeaker leads are also very important. Naim loudspeaker cable is correct for your system and your dealer will make up leads to suit your equipment installation. The leads should each be at least 3.5 metres long and of equal length. The recommended maximum is 20 metres. Loudspeaker leads are, like interconnect leads, directional, and should be connected so that the printed arrow points towards the speakers. Using alternative loudspeaker cable will degrade performance, and may even damage your amplifier. An exception to these loudspeaker cable constraints is the nac 6-50 multi-room power amplifier. The nac 6-50 is designed to be tolerant of both a wide variety of cable types, and cable runs well in excess of 20m. The loudspeaker connectors supplied with all Naim amplifiers and loudspeakers have been specifically designed to make a robust mechanical connection. It is essential that these are used in order to comply with current European safety regulations.

All the plugs and sockets supplied with your Naim equipment have been chosen because they make the best possible connection for their purpose. A poor contact will degrade the signal substantially and plugs and sockets should look clean and free from corrosion. The easiest way to clean them is to switch off the equipment, pull the plugs out of their sockets, and push them back in again. Special contact cleaners and contact enhancers should not be used as they tend to deposit a film which is very difficult to remove and may degrade the sound.
2.0 Getting Started

2.1 switching on and off
Source components and power supplies for CD players, tuners, preamplifiers and crossovers should be switched on before switching on the amplifier(s). Always switch the amplifier(s) off and wait about a minute for its power supply capacitors to discharge before connecting or disconnecting any leads. Always use the power switch on the product rather than a mains outlet switch.

2.2 running in
Your Naim equipment will take a considerable time to run-in before it performs at its best. The duration varies, but under some conditions you will find that the sound continues to improve for as much as five weeks. Better and more consistent performance will be achieved if the system is left switched on for long periods. It is worth remembering however that all electronic equipment can be damaged by lightning. Please read the warnings section.

2.3 mains supply
Where fused plugs are used 13 amp fuses should be fitted. Fuses of a lower rating will fail after a period of use.
A hi-fi system usually shares a mains circuit with other household equipment some of which can cause distortion of the mains waveform. In some Naim equipment such distortion can lead to a mechanical hum from the transformers. The hum is not transmitted through the speakers and has no effect on the performance of the system but is purely local to the transformer itself. A separate fused mains circuit (like that reserved for electric cookers) may reduce transformer hum. Such a circuit (ideally with a 30 or 45 Amp rating) will also have a lower impedance, supply cleaner power, and consequently improve system performance.
Do not wire voltage dependent resistors or noise suppressors into mains plugs. They degrade the mains supply and the sound.

2.4 siting the equipment
Power supplies and amplifiers should be located a reasonable distance away from other equipment. This separation will stop transformer radiation causing hum audible from the loudspeakers. The minimum recommended distance is 300mm (12 inches), and that allowed by the standard interconnect lead is the maximum.
Some Naim equipment is extremely heavy. Ensure that your equipment rack or table can easily support the weight and is stable.

2.5 if you have a problem
Legal consumer protection varies from country to country. In most territories a dealer must be prepared to take back any Naim equipment he has sold you if he cannot make it work to your satisfaction in your own home. A problem may be due to a fault in any part of the system or its installation so it is essential to make full use of your local dealer’s diagnostic skills on site. Please contact your local distributor, or Naim at the address in the back of this manual, if any difficulties cannot be resolved. Some Naim equipment is made in special versions for different territories and this makes it impracticable to arrange international guarantees. Please establish the guarantee arrangements with your own dealer at the time of sale. We are always available to offer help and advice.
It is essential that repairs and updates are only carried out by an authorised Naim dealer, or at the factory by Naim itself. Many components are made, tested or matched specially for Naim and appropriate replacements are often unobtainable from non-specialist sources.
3.0 Warnings

Naim equipment is designed to offer the finest sound quality that can be achieved, avoiding compromise wherever possible. This can lead to circumstances that may be unfamiliar. The material that follows contains advice specifically related to Naim equipment as well as more general warnings about the use of domestic audio products. Please read it carefully.

The transformers in Naim power amplifiers and power supplies may sometimes make a mechanical noise caused by distortion of the mains waveform. Naim transformers are large in size and have heavy gauge secondary windings making them relatively sensitive to such distortion. A separate mains circuit for your hi-fi system may reduce the effect while also giving an overall improvement in sound quality. It may be necessary however to take account of mechanical transformer noise when siting your equipment.

In some circumstances, depending on where you live and the earthing arrangements in your home, you may experience radio frequency interference. Controls on broadcasting in some territories allow very high levels of radio frequency radiation and both the choice and exact siting of equipment may be critical. If there is a known problem in your locality it is advisable to arrange for a home demonstration before purchase to find out if Naim equipment is likely to be affected. Susceptibility to radio frequency interference is related to the wide internal bandwidth necessary for high sound quality. Systems incorporating moving coil phono preamplifiers and active crossovers are more likely to suffer. A radio frequency filter kit is available for some Naim equipment but sound quality will be progressively compromised as more elements of the kit are fitted. In situations of extreme radio interference Naim equipment may be unsuitable.

Your Naim hi-fi system can be damaged by lightning. Power amplifiers are particularly at risk and should be turned off when there is risk of lightning strike. For complete protection all mains plugs and any aerial cables should be disconnected when not in use.

Equipment must not be exposed to dripping or splashing and no objects filled with liquid, such as vases, should be placed on the equipment.

In order to comply with current European safety regulations it is essential that the Naim loudspeaker connectors supplied with amplifiers and loudspeakers are used.

Do not under any circumstances allow anyone to modify your Naim equipment without first checking with the factory, your dealer, or your distributor. Unauthorised modifications will invalidate your guarantee.

For your own safety do not under any circumstances open Naim equipment without first disconnecting the mains.

The following label is attached to all mains powered equipment:
4.0 Connection

4.1 mains lead

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol or coloured green or green-and-yellow.

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured black.

The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured red.

4.2 non-rewireable mains plugs

If a non-rewireable plug is cut from a mains lead (for whatever purpose) the plug MUST be disposed of in a way to render it totally unusable. Considerable shock hazard exists if the cut-off plug is inserted into a mains outlet.

4.3 fuse carrier

Should the plug fuse carrier be damaged or lost, the correct replacement must be obtained from your dealer or from Naim direct. Do not use the plug until the fuse carrier is replaced.

4.4 plug fuses

Replace only with ASTA or BS 1362 approved fuses.

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note

This equipment has been tested and found to comply with the relevant EMC and Safety Standards, and, where applicable, also complies with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your Naim dealer or an experienced radio/TV technician for help.
nac 52 operation

power supplies
The nac 52 does not incorporate an internal power supply and can be used only in conjunction with a supercap power supply.

listening and recording
The input selector buttons are arranged along the uppermost bank of buttons. They control which source is to be routed to the power amplifier and the loudspeakers, for listening. Below them, in the lower bank, are a corresponding array of buttons which choose the source component to be routed to the preamplifier’s recording outputs. One component (for example, the record player) can therefore be listened to whilst the output from another (say, the tuner) can be recorded onto a tape recorder. It is possible to lock the record controls and prevent accidental de-selection during recording. Record-lock is switched on or off by depressing the source mono button four times within six seconds.

mute and mono facilities
To the left of each bank of buttons there are two further buttons labelled mute and mono. These work independently: for example the mute button in the lower (recording) bank does not affect the signal that is chosen via the upper (source) buttons, and vice versa. Operating the mono button on the source bank will not affect the record circuits. To select either function press the relevant button once. To cancel that function press the button again.

preamplifier inputs
Input 1 is a high level input, but can be converted into a phono input by fitting plug in boards. Please see your dealer for further details.

Input 2 is a standard high level input. Before using, see the section “input socket 2” below.

Input 3 is a standard high level input.

Inputs 4, 5 and 6 are standard high level inputs and also have record output facilities, so these should be assigned to your tape recorder, cassette deck or VCR.

input socket 2 to expand input capabilities
Please note that input 2 is provided with two sockets. Use socket 2a for connecting your usual ancillary equipment. The extra socket (2b) is for the Prefix or Stageline phono stage. Only one of these sockets may be used at a time, for safety as well as performance. Your preamplifier will have a protective cover fitted over the extra socket. If you wish to use it, it is advisable to refit the protective cover over the socket that will now be unused, to prevent mistakes.

remote control
For operation of the nac 52 using the NARCOM 2 remote handset please see pages 18 and 19
Specifications

nac 52

High level input sensitivities 75mV, 100kΩ

Phono input options

Moving Magnet N 2mV, 47kΩ
Moving Coil S 100μV, 470Ω
Moving Coil K 100μV, 560Ω
Moving Coil E 400μV, 560Ω

Overload margin (all inputs, all audio frequencies) 40dB

Main output level 0.775V, <50Ω

Tape output level 75mV, 600Ω

Case size (H x W x D) 76 x 430 x 300mm
nac 52 connection to supercap power supply

bnc plug assembly

bnc plugs are employed for phono inputs on the nac 52, 82 and 102. To wire a bnc plug proceed as follows in conjunction with the illustrations opposite:

Place the clamp nut and plain gasket over the cable and cut back the cable outer sheath 9mm.

Comb out the copper braid and insert the ferrule.

Trim the core insulation to 4mm and apply a thin layer of solder to the cable centre conductor.

Mount the rear insulator over the core insulation and solder the male contact to the core conductor.

Slide the clamp nut and plain gasket up to the ferrule and fit the front insulator onto the male contact.

Slide the plug body over the assembly and tighten using the clamp nut.
nac 82 operation

power supplies
The nac 82 does not incorporate an internal power supply. It must be used in conjunction with either a naim power amplifier incorporating a preamp power supply or with a supercap, hi-cap or flatcap 2 power supply.

listening and recording
The input selector buttons are arranged along the uppermost bank of buttons. They control which source is to be routed to the power amplifier and the loudspeakers, for listening. Below them, in the lower bank, are a corresponding array of buttons which choose the source component to be routed to the preamplifier’s recording outputs. One component (for example, the record player) can therefore be listened to whilst the output from another (say, the tuner) can be recorded onto a tape recorder. It is possible to lock the record controls and prevent accidental de-selection during recording. Record-lock is switched on or off by depressing the source mono button four times within six seconds.

mute and mono facilities
To the left of each bank of buttons there are two further buttons labelled mute and mono. These work independently: for example the mute button in the lower (recording) bank does not affect the signal that is chosen via the upper (source) buttons, and vice versa. Operating the mono button on the source bank will not affect the record circuits. To select either function press the relevant button once. To cancel that function press the button again.

preamplifier inputs
Input 1 is a high level input, but can be converted into a phono input by fitting plug in boards. Please see your dealer for further details.

Inputs 2 and 3 are standard high level inputs.

Inputs 4, 5 and 6 are standard high level inputs and also have record output facilities, so these should be assigned to your tape recorder, cassette deck or VCR.

connecting to an active system
Please note, an additional separate power supply is required to power the snaxo crossover, i.e. three hi-caps for a system where two are already employed to power the nac82, or two supercaps where one is already employed for the preamplifier. For further information please refer to your dealer.

remote control
For operation of the nac 82 using the NARCOM 2 remote handset please see pages 18 and 19.

bnc plugs
For notes on wiring bnc plugs please see page 7.
Specifications

**nac 82**

- **Line input sensitivities:** 75mV, 100kΩ
- **Phono input options:**
  - Moving Magnet N: 2mV, 47kΩ
  - Moving Coil S: 100μV, 470kΩ
  - Moving Coil K: 100μV, 560kΩ
  - Moving Coil E: 400μV, 560kΩ
- **Overload margin (all inputs, all audio frequencies):** 40dB
- **Main output level:** 0.775V, <50kΩ
- **Tape output level:** 75mV, 600kΩ
- **Case size (H x W x D):** 76 x 430 x 300mm
**nac 82 connection to one power amplifier with internal power supply**

![Diagram of nac 82 connection](image1)

**note**

The napsc power supply must be connected at all times to the nac 82.

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**nac 82 connection to one hi-cap (or flatcap 2)**

![Diagram of nac 82 connection with hi-cap](image2)
nac 82 connection to two hi-caps (or flatcaps)

If multiple power supplies are used to operate one preamplifier they must be of the same type. Sound quality will be severely impaired if power supplies are mixed.

nac 82 connection to supercap
nac 102 operation

power supplies
The nac 102 does not incorporate an internal power supply. It must be used in conjunction with either a naim power amplifier incorporating a preamp power supply or with a supercap, hi-cap or flatcap 2 power supply.

preamplifier inputs
Inputs 1a, 2 and 3 are standard high level inputs.
Alternatively, input 1 can be converted into a phono input. A simple modification enables a range of plug in boards to be fitted. Connection is then made via the BNC sockets (1b). Please see your dealer for further details.
Inputs 4, 5 and 6 are standard high level inputs and also have record output facilities, so these should be assigned to your tape recorder, cassette deck or VCR.

tape facilities and monitor button
The tape monitor button (mon) allows you to listen to the output of a tape recorder while recording, which can be useful with a 3-head tape machine to monitor the "off-tape" signal. The source for recording is chosen by the input selector buttons.

Operating the monitor button during recording allows the output from the tape machine connected to input 4 to be heard, unless input 4 is chosen on the input selector switch, i.e. for tape to tape recording, in which case the output of the tape machine connected to input 5 will be heard. No monitor facility is available on input 6.

With the mute button selected there will be no output to the loudspeakers, from any input. This will not affect any recordings taking place at the same time.

remote control
For operation of the nac 102 with the NARCOM 2 remote handset please see pages 18 and 19. Note: As there is no mono facility available on the nac 102, the "mono" facility on the remote handset operates the tape monitor circuit.

bnc plugs
For notes on wiring bnc plugs please see page 7.
Specifications

**nac 102**

Line input sensitivities
- 75mV, 100kΩ

Phono input options
- Moving Magnet N: 2mV, 47kΩ
- Moving Coil S: 100µV, 470kΩ
- Moving Coil K: 100µV, 560kΩ
- Moving Coil E: 400µV, 560kΩ

Overload margin (all inputs, all audio frequencies)
- 40dB

Main output level
- 0.775V, <50Ω

Tape output level
- 75mV, 600Ω

Case size (H x W x D)
- 76 x 430 x 300mm
nac 102 connection to one power amplifier with internal power supply

nac 102 connection to hi-cap (or flatcap 2)

**Note**
When using a hi-cap without the optional napsc, the large link plug must be fitted.
nac 112 operation

power supplies
The nac 112 does not incorporate an internal power supply. It must be used in conjunction with either a naim power amplifier incorporating a preamp power supply or with a supercap, hi-cap or flatcap 2 power supply.

inputs
The nac 112 has 6 inputs - cd, tuner, tape, A/V, aux 1 and aux 2. The tape, A/V and aux 1 all have record output facilities for a cassette deck or VCR, etc. The aux 2 input is provided with two sockets. Use the right hand socket (when viewed from the rear) for connecting conventional ancillary equipment. The extra (left hand) socket is for use with separate phono stage, such as the Prefix or Stageline or a Headline headphone amplifier. Only one of the aux 2 sockets may be used at a time – damage may result if both sockets are used simultaneously. As supplied, the nac 112 has a protective cover fitted over the extra socket. If this socket is to be used it is advisable to refit the protective cover over the unused socket.

tape and monitor functions
The tape monitor (mon) button allows the output of a 3-head tape machine to be heard while recording in order to check the "off-tape" signal. The source for recording is chosen by the input selector buttons in the normal way.

Pressing the monitor button during recording allows the output from a 3-head tape machine connected to either tape, A/V or AUX 1 to be heard. After pressing "mon", select whichever one of these your tape machine is connected to. A second press of the monitor button returns the amp to normal position.

mute function
Pressing the mute button reduces the output from the loudspeakers to zero. (This will not affect any recordings taking place at the same time).

channel balance
Channel balance adjustment on the nac 112 is operated electronically within the amplifier and is controlled by the remote handset only. Please see the handset instructions on pages 18 and 19.

input level adjustment
Each nac 112 input can be adjusted so that the volume level from each source is similar in normal use. The remote handset controls and enables this function. Please see the handset instructions on pages 18 and 19.

remote control
For operation of the nac 112 with the NARCOM 2 remote handset please see pages 18 and 19. Note: As there is no mono facility available on the nac112, the "mono" facility on the remote handset operates the tape monitor circuit.
The NAC 112 features various technologies to reduce microphonic effects, in particular a compliant mounting for the main circuit boards and the DIN sockets on the rear. Some movement of the board and sockets when connecting/disconnecting is normal.

The aux 2 input is provided with two sockets. The left hand socket, fitted on delivery with a blanking cover, is intended for use with a Stageline or Prefix phono stage and incorporates an appropriate DC power supply.

Specifications

NAC 112

- Line input sensitivities: 75mV, 100kΩ
- Overload margin (all inputs, all audio frequencies): 35dB
- Main output level: 0.775V, <50Ω
- Tape output level: 75mV, 600Ω
- Case size (H x W x D): 58.4 x 432 x 301mm
nac 112 connected to flatcap 2

- Power
- Mains input
- To nap 140, 150, 180 ft & 250 power amplifiers
- To nap 135 ft & 500 power amplifiers
- For CDS, headline or stageline. Additional interconnects required.

Interconnect Cables
- 4 to 4 pin DIN
- 5 to 5 pin DIN
narcom 2 remote handset

NARCOM 2 is a multi-functional remote control handset designed to be used with Naim Audio CD players, integrated amplifiers, pre-amps and preset tuners. The handset control configuration is based around three types of keys: System Component Keys, Global Keys and Soft Keys.

1 System Component Keys

These keys switch the operation of the “Soft Keys” into modes appropriate to each system component (preamp, CD or tuner).

- **preamp**: Switches the action of the Soft Keys to that appropriate for an integrated or pre-amplifier.
- **cd**: Switches the action of the Soft Keys to that appropriate for a CD player.
- **tuner**: Switches the action of the Soft Keys to that appropriate for a preset tuner.

2 Global Keys

These keys operate specific component functions regardless of the System Component Key setting.

- **preamp**
  - **vol (up and down)**: Adjusts the amplifier output volume and the volume control position.
  - **mute**: Reduces the amplifier output volume to zero. A second press restores the volume. The mute button on the amplifier will illuminate when mute is selected.
- **bal (left and right)**: Adjusts the output channel balance.
  - Some Naim amplifiers have control of balance available only from the remote handset. On these products the balance will automatically “centre” as it reaches the mid point. Balance centring is indicated by a flashing volume control indicator. To resume adjustment once the balance has centred, bal key must be released and re-pressed.
- **mon**: The mon button enables the output of a 3-head tape machine to be heard while recording in order to check the “off-tape” signal. The source to be recorded is chosen by the input selector buttons in the normal way. After pressing mon, select the input to which your machine is connected. A second operation of the mon key restores normal output.
- **compact disc**
  - **prev**: Selects the previous track. From a stopped position prev will select the last track.
  - **next**: Selects the next track.
  - **stop**: Stops the CD. Holding the stop key for more than a second will also cancel previously set-up program and display preferences.
  - **play**: Plays the CD. Pressing play while a track is playing will return the player to the beginning of that track.
  - **<<**: Fast reverses the CD when in play mode.
  - **>>**: Fast forwards the CD when in play mode.
  - **repeat**: Puts the CD into repeat mode. A complete disc or programmed disc selection will repeat until stop is pressed.
  - **pause**: Pauses a playing CD. Pressing pause a second time will start the disc again.
- **tuner**
  - **mode**: Switches the tuner sequentially through “frequency”, “scan” and “preset” modes. Modes are indicated on the tuner display.
  - **up & down**: These keys both have three possible functions depending upon the selection of the mode key. In frequency mode the up and down keys adjust the tuning frequency in 50kHz steps. In scan mode the up and down keys will cause the tuner to search for stations. In preset mode the up and down keys will tune to the next numbered preset.
  - **mono**: Toggles between mono and stereo operation. The tuner display will indicate stereo when both stereo operation is selected and a stereo signal is received. The mono button on the tuner will illuminate when mono is selected.
3 Soft Keys

These keys operate functions depending on the System Component Key setting.

**numeric keypad**: In **preamp mode** the numeric keys will switch between the amplifier inputs (1 - cd, 2 - tuner, 3 - tape, 4 - av, 5 - aux 1, 6 - aux 2). In **cd mode** the numeric keys will select tracks.

In **tuner mode** the numeric keys will select tuner presets or can be used directly to input station frequencies.

**prog**: In **preamp mode** the **prog** key function varies depending upon the specific amplifier model in use. Firstly, some models incorporate a programmable volume control system that enables different source component output levels to be matched. Secondly, some models incorporate optional automatic source switching which will switch the input of the amplifier as soon as any handset key appropriate to a particular source is operated. For example, if the tuner input is selected on the amplifier and the CD play key is operated on the handset, the amplifier will switch to the CD input. Lastly, **prog** can be used where the amplifier is used in a correctly configured AV system. Damage may result if the unity gain feature is used inappropriately.

To program the volume control for each input first set the volume control to a comfortable listening level with the loudest source (probably CD). Enter program mode by pressing and holding the **prog** key until vol up and down keys to set the volume to a comfortable listening level. The amplifier volume control will not rotate during this operation. Select a further input to adjust. To exit program mode press and hold the **prog** key until the volume control indicator stops flashing, or operate any control on the amplifier.

To access automatic source switching enter program mode as described above. Use the handset **mon** key to toggle automatic switching on and off. The **mon** button on the amplifier will illuminate when source switching is automated. Exit program mode as above.

The **prog** key function varies depending upon the specific amplifier model in use. Firstly, some models incorporate a programmable volume control system that enables different source component output levels to be matched. Secondly, some models incorporate optional automatic source switching which will switch the input of the amplifier as soon as any handset key appropriate to a particular source is operated. For example, if the tuner input is selected on the amplifier and the CD play key is operated on the handset, the amplifier will switch to the CD input. Lastly, **prog** can be used where the amplifier is used in a correctly configured AV system. Damage may result if the unity gain feature is used inappropriately.

To return to the default settings, press and hold the **prog** key until the amplifier volume control indicator flashes. Press and hold the **disp** key until the volume control indicator stops flashing.

In **cd mode** the **prog** key enables specific CD tracks and their play order to be selected. To select a play order select a track number from the numeric keypad followed by the **prog** key until the desired selection is complete. During selection, the track number indicated in the player display will be followed by either "P", "-" or a space. "P" indicates that the track is already selected. "-" indicates that the track can be selected. A space indicates that there is no more memory available.

The **prog** can also be used to add tracks from a play order. To delete a track, press and hold the **prog** key until the **prog** indicator in the CD display illuminates then delete the track or tracks using the numeric keypad followed each time by a further operation of the **prog** key. To clear all preset numbers press and hold the **prog** key.

To program the volume control for each input first set the volume control to a comfortable listening level with the loudest source (probably CD). Enter program mode by pressing and holding the **prog** key until vol up and down keys to set the volume to a comfortable listening level. The amplifier volume control will not rotate during this operation. Select a further input to adjust. To exit program mode press and hold the **prog** key until the volume control indicator stops flashing, or operate any control on the amplifier.

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To return to the default settings, press and hold the **prog** key until the amplifier volume control indicator flashes. Press and hold the **disp** key until the volume control indicator stops flashing.

In **cd mode** the **prog** key enables specific CD tracks and their play order to be selected. To select a play order select a track number from the numeric keypad followed by the **prog** key until the desired selection is complete. During selection, the track number indicated in the player display will be followed by either "P", "-" or a space. "P" indicates that the track is already selected. "-" indicates that the track can be selected. A space indicates that there is no more memory available.

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EC Declaration of Conformity to Appropriate Standards

Manufacturer

Naim Audio Limited
Southampton Road
Salisbury  England
SP1 2LN

Products

nac 52, 82, 102 and 112 preamplifiers

Safety

HD 195-S6
EN 60 065

EMC

Emissions Tested to
EN 55013
Sound and television broadcast receivers and associated equipment

Immunity Tested to
EN55020
Electromagnetic immunity of broadcast receivers and associated equipment

In accordance with
CISPR 16-1
Radio disturbance and immunity measuring apparatus

CISPR 16-2
Methods of measurement of disturbances and immunity

IEC 801-2 8KV (air gap)
4KV (contact)
(performance criterion B)

IEC 801-3 3V/m 20dB
(performance criterion A)

IEC 801-4 1KV (AC lines)
0.5KV (signal lines)
(performance criterion B)